

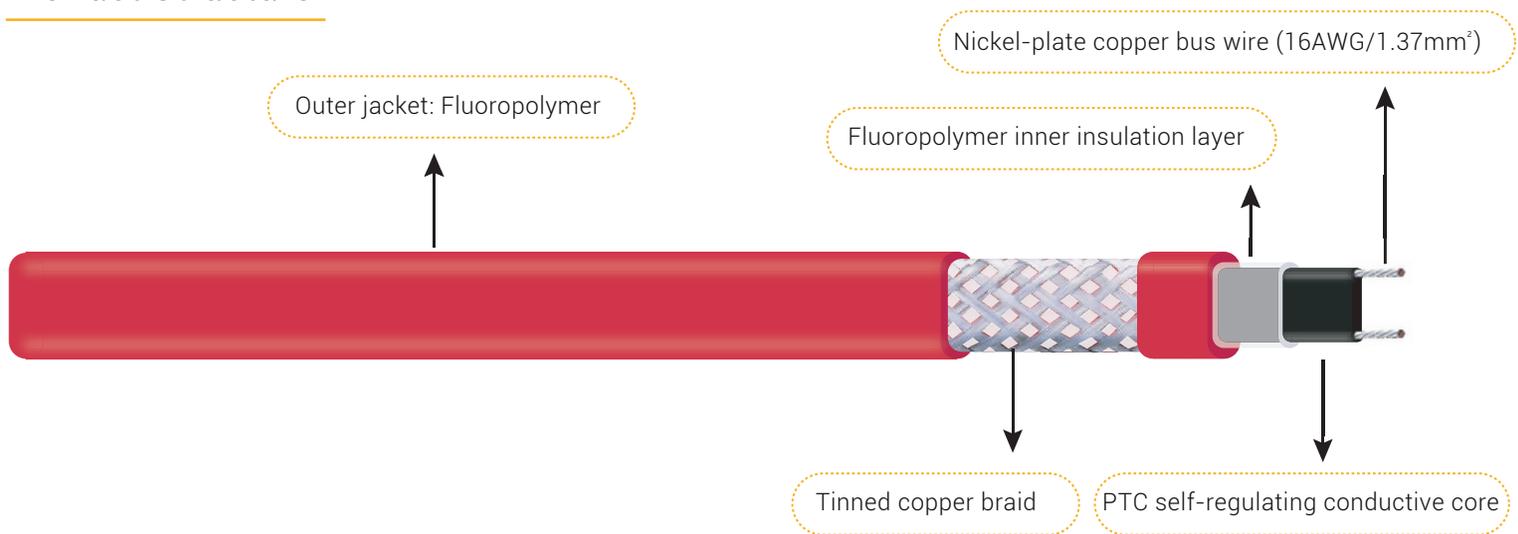


HTS high temperature self-regulating heating cable

Overview:

Jiahong HTS high temperature self-regulating heating cable can be used for freeze protection application and process temperature maintenance within/out steam purge (or the steam purge temperature will be lower than 200°C) in industry area. The maximum maintenance temperature will be up to 150°C. No matter whether the pipeline is overhead or buried installation, HTS heating cable can maintain the temperature and phase structure of the medium in the pipeline or vessel. HTS heating cable is certified by NEPSI (China), EAC(Russia) and IECEx,ATEX for ex-proof application, as well as to be used in the area which is defined according relative standard.

Product Structure:



The extruded core tape, which made by parallel nickel-plate copper bus wire and PTC semiconductor polymer heating material, and inner insulation layer of fluoropolymer are added to tinned copper braid and the outer jacket form a complete structure of HTS heating cable, in which the outer jacket can be made of fluoropolymer material (CT).

Product Feature:

- ◆ HTS heating cable is certified by IECEx,ATEX,NEPSI (China)and EAC(Russia), including explosion-proof application, which can be used in the explosion area and ordinary safety area.
- ◆ According to the characteristics of automatic adjustment of power output based on ambient temperature, it can avoid overheating or burning on heating cable even in the case of overlapping installation; Simultaneously this feature can increase the efficiency of the heat tracing system and reduce energy consumption.
- ◆ It is allowed to cut arbitrarily within the interval specified by the maximum circuit length and connect with compliance accessories.
- ◆ It has a complete series of accessory, including standard power box, splice/tee connection box and end seal box etc, which can ensure the long service life of the product.



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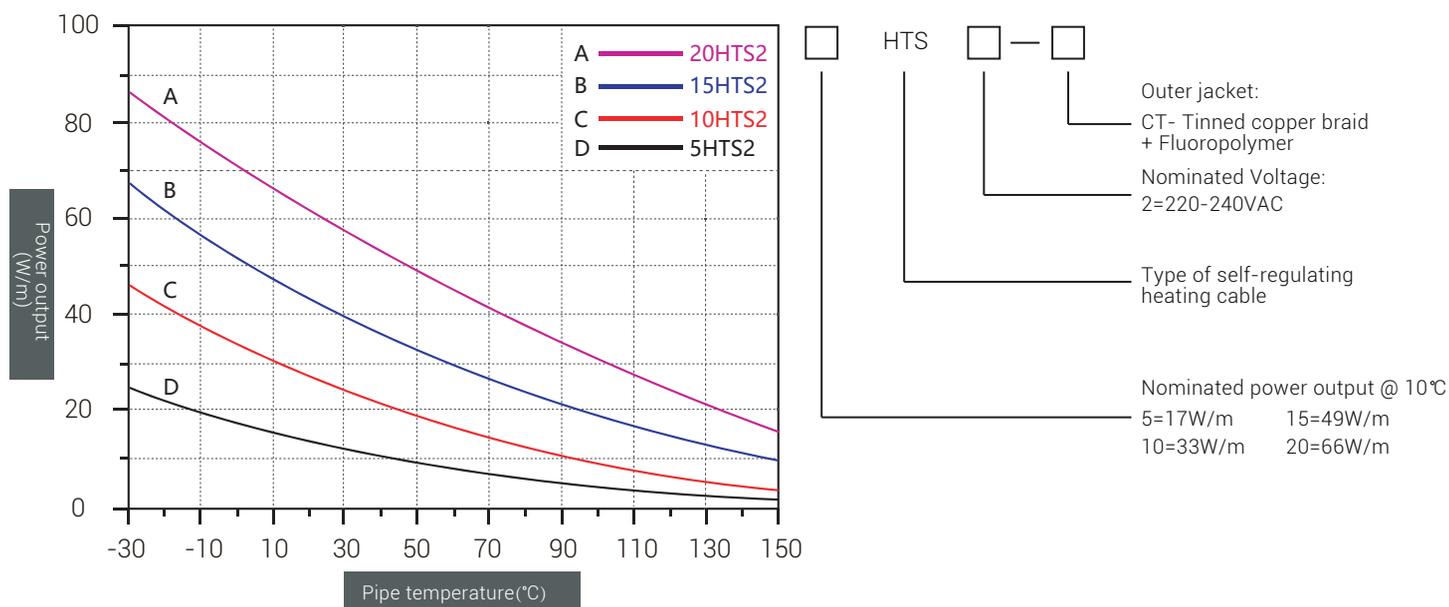




Technical Specification:

Nominated Voltage:	230V (HTS2)
Maximum maintaince temperature:	+150°C (302°F)
Maximum continuous exposure temperature:	+200°C (392°F)
Temperature classification:	T3
IP level:	IP66/67
Minimum installation temperature:	-60°C (-76°F)
Minimum bending radius:	30mm
Nominated power output @10°C:	17W/m, 33W/m, 49W/m, 66W/m
Dimension:	CT: 12.4mm (W) ×4.8mm (T)
Approvals mark:	    

Power output curve:



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230V voltage level:

Circuit breaker size (A)	Start-up temperature (°C)	Maximum circuit length (m) (Type C circuit breaker based on IEC 60898 standard)			
		5HTS2	10HTS2	15HTS2	20HTS2
16	10	128	86	62	46
	0	122	77	61	45
	-10	112	70	56	42
	-20	103	61	51	39
	-40	90	52	45	34
20	10	154	107	77	57
	0	151	99	76	56
	-10	139	90	70	52
	-20	129	82	64	49
	-40	112	67	56	43
25	10	172	123	101	71
	0	168	119	95	70
	-10	156	111	87	65
	-20	149	95	80	61
	-40	138	83	70	54
32	10	178	123	101	90
	0	178	123	101	89
	-10	178	123	101	83
	-20	178	117	95	78
	-40	178	108	89	69
40	10	178	123	101	90
	0	178	123	101	90
	-10	178	123	101	90
	-20	178	123	101	90
	-40	178	123	101	86

Description:

1. The maximum circuit length shown is in accordance with IEC 60898, with Type C circuit breakers as standard, at reference start-up temperature and 10°C. Experimental data obtained from instantaneous trip current characteristics under maintenance temperature conditions. For the maximum loop length corresponding to other trip current characteristics or other types of circuit breakers, please contact the technical representative of Jiahong Company.

2. Although the heat tracing system is generally used to maintain the medium in the pipe or vessel at the required temperature level, the self-regulating heat tracing cable may be at a lower temperature level when it is energized. For design data when the starting temperature is lower than the above temperature, please contact the technical representative of Jiahong Company.

3. Maximum loop length refers to the continuous length of the heating cable, not the sum of the lengths of multiple sections. Relating to current load for each section, please contact the technical representative of Jiahong Company.



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